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(21) International Application Number: PCT/NL97/00624 (22) International Filing Date: 14 November 1997 (14.11.97) (30) Priority Data: 1004539 15 November 1996 (15.11.96) NL (71) Applicants (for all designated States except US): STICHTING SCHEIKUNDIG ONDERZOEK NEDERLAND [NL/NL]; Laan van Nieuw Oost-Indië 131, NL 2593 BM Den Haag (NL); STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN [NL/NL]; Raadstede 15/19, NL-3431 HA Nieuwegein (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): VAN VENROOIJ, Waltherus, Jacobus, Wilhelmus [NL/NL]; Eleonoraweg 16, NL-6523 MZ Nijmegen (NL); SCHELLEKENS, Gerardus, Antonius [NL/NL]; Zwaansveld 37-03, NL-6538 XV Nijmegen (NL); RAATS, Jozef, Maria, Hendrik [NL/NL]; Van Diemerbroeckstraat 65, NL-6512 BA Nijmegen (NL); HOET, René, Michael, Antonius [NL/NL]; Weezenhof 35 - 40, NL-6536 HB Nijmegen (NL).	(74) Agent: A1.TENBURG, Bernardus, Stephanus, Franciscus; Octrooibureau Los en Stijger B.V., Weeringschans 96, NL-1017 XS Amsterdam (NL). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW); Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM); European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE); OAPI patent (BF, BJ, CP, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>In English translation (filed in Dutch).</i> <i>With an indication in relation to a deposited microorganism furnished under Rule 13^{bis} separately from the description.</i> <i>Date of receipt by the International Bureau:</i> 5 December 1997 (05.12.97) (88) Date of publication of the international search report: 27 August 1998 (27.08.98)	
(54) Title: PEPTIDE DERIVED FROM AN ANTIGEN RECOGNIZED BY AUTOANTIBODIES FROM PATIENTS WITH RHEUMATOID ARTHRITIS. ANTIBODY DIRECTED AGAINST SAID PEPTIDE, A COMBINATORIAL ANTIGEN, AND A METHOD OF DETECTING AUTO-IMMUNE ANTIBODIES		
(57) Abstract The invention relates to a peptide derived from an antigen recognized by autoantibodies, which peptide is reactive with autoimmune antibodies from a patient suffering from rheumatoid arthritis. The peptide according to the invention possesses a modified arginine residue. The invention also relates to antibodies against the peptide and a method of detecting autoimmune antibodies.		